

SHIRYAYEV, V.L.; AVERKH, V.V.; GRIGOR'YEVA, V.M.; BACHURINA, V.G.;
SNEZHNOVA, L.P.; YERMOLOVA, O.B.; OGLOBLINA, L.S., red.;
YAKOBSON, L.M., red.

[Antibiotics; collection of methodological instructions of the
supervision and standardization of antibiotic preparations] Anti-
biotiki; sbornik metodicheskikh ukazanii po kontroliu i standarti-
zatsii antibioticheskikh preparatov. Pod red. L.S.Ogloblinoi i
L.M.Iakobson. Moskva, 1959. 134 p. (MIRA 15:3)

1. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologi-
cheskikh preparatov.

(ANTIBIOTICS)

YAKOBSON, L.M.

"Practical manual on streptomycin therapy," edited by Z.V. Ermol'eva,
V.IA. Shalpoberskii. Reviewed by L.M. Iakobson. Antibiotiki 4 no.5:
109-110 S-O '59. (MIRA 13:2)
(STREPTOMYCIN) (ERMOL'EVA, Z.V.) (SHALPOBERSKII, V.IA.)

YAKOBSON, L.M.; EL'BERT, L.B.; GRIGOR'YEVA, V.M.; YERMOLOVA, O.B.

Comparative studies on the nontoxic properties of various antibiotics. Antibiotiki 5 no. 5:98-101 S-O '60. (MIRA 13:10)

1. Otdel antibiotikov Gosudarstvennogo kontrol'nogo instituta meditsinskikh biologicheskikh preparatov imeni L.A. Tarasevicha.
(ANTIBIOTICS)

YAKOBSON, L.M.; GRIGOR'YEVA, V.M.

Study of tetracyclines in human blood serum by means of electrophoresis.
Antibiotiki 5 no.3:60-63 My-Je '60. (MIRA 14:6)

1. Otdel antibiotikov (rukovoditel' - prof. L.M.Yakobson) Gosudar-
stvennogo kontrol'nogo instituta meditsinskikh biologicheskikh
preparatov imeni L.A.Tarasevicha.
(TETRACYCLINE) (SERUM) (PAPER ELECTROPHORESIS)

YAKOBSON, L.M.; GRIGOR'YEVA, V.M.

Activity of phenoxymethylpenicillin and benzylpenicillin in the
presence of human serum. Antibiotiki 6 no.3:243-246 Mr '61.
(MIRA 14:5)

1. Otdel antibiotikov (rukovoditel' - prof. L.M.Yakobson) Kontrol'nogo
instituta meditsinskikh biologicheskikh preparatov imeni A.A.
Tarasevicha.

(PENICILLIN)

YAKOBSON, L.M.; YERMOLEVA, O.B.

Characteristics of the stability of aqueous suspensions of the
N,N-dibenzylethylenediamine salt of penicillin (ticillin-I)
investigated by a nephelometric method. Antibiotiki 6 no.5:
449-451 My '61. (MIRA 14:7)

1. Kontrol'nyy institut meditsinskikh biologicheskikh preparatov
imeni L.A.Tarasevicha.

(PENICILLIN)

Yakobskan, L.M.; ZAK. A.F.

Acute toxicity of potassium salts of benzylpenicillin and tetracyclines in an experimental investigation. Antibiotiki 8 no.6:
527-532 Je'63 (MIRA 17:3)

1. Otdel antibiotikov Kontrol'nogo instituta meditsinskikh biologicheskikh preparatov imeni L.A.Tarasevicha.

YAKOVSON, L.M.

Synergic action of antibiotics and gamma globulin in infections.
Antibiotiki 8 no.7:658-667 J1'63 (MIRA 17:3)

1. Otdel antibiotikov Kontrol'nogo instituta meditsinskikh
biologicheskikh preparatov imeni L.A. Tarasevicha.

YAKOBSON, L.M.

Experimental study of antibiotic toxicity. Antibiotiki 8 no.12:1721-
1130 D '63. (MIRA 17:10)

YAKOBSON, L. M.

"Differentsiatsiya deystviya antibiotikov po chuvstvitel'nosti k nim eksperimental'nykh modeley."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Institut im. TARASEVICH, Moscow.

ZAK, A.F.; KLIMOVA, N.Ye.; YERMOLOVA, O.B.; YAKOBSON, L.M.

Evaluation of the harmlessness of erythromycin based on data
of various tests. Antibiotiki 10 no.7:622-625 J1 '65.
(MIRA 18:9)

1. Otdel antibiotikov Kontrol'nogo instituta imeni A.A.
Tarasevicha, Moskva.

STRONA, P.A.; SOLOV'YEV, N.S.; SHATKOV, G.A.; YAKUBSON, L.N.

Geology of the southeastern Argun Valley. Trudy VNIIGI 81:
125-156 '63 (MYRA 17s7)

SARIN, Mikhail Il'ich; STUL'PINAS, Mechislav Iozo; YAKOBSON,
Lyuis Solomonovich; SURIN, N.M., red., red.; MAKAROV,
M.S., red.

[Use of a PR 80-2 reproducing punch] Primenenie repro-
duksionnogo perforatora PR 80-2. Moskva, Statistika,
1965. 44 p. (MIRA 18:11)

BOMSHTEYN, K.G.; POL'SHIN, D.Ye.; YAKOBSON, L.S.

Results of the automatic design of foundations. Osn., fund. 1
mekh.grun. 5 no.6:12-14 '63. (MIRA 16:12)

YAKOBSON, L.S.

Technology of automated calculation and the production of tables.
Vych. i org.tekh. v stroi. i proek. no.1:50-56 '64.

(MIRA 18:10)

1. Gosudarstvennyy institut tipovogo i eksperimental'nogo
proyektirovaniya i tekhnicheskikh issledovaniy Gosstroya SSSR.

SARIN, Mikhail Il'ich; STUL'PINAS, Mechislav Iozc; YAKOBSON,
Lyuis Solomonovich; KATS, A.M., red.; MIRZOYEVA, V.M.,
red.

[Use of the PI8C 45 result perforator] Primenenie itogovogo
perforatora PI80/45. Moskva, Statistika, 1965. 62 p.
(MIRA 18:9)

YAKOBSON, M. [Jakobsons, M.]; PEYLE, Ye. [Pelle, E.]

Bibliography of dissertations defended in Latvia from the second half of 1955-1958. Vestis Latv ak no.12:177-188 '59. (EEAI 9:11)

1. Otdel bibliografii Fundamental'noy biblioteki AN Latv. SSR.
(Latvia--Bibliography)

YAKOBSON, M. [Jakobsons, M.]

Bibliography of dissertations defended in the Latvian S.S.R. in 1961.
Vestis Latv ak no.7:144-147 '62.

Y. YAKOBSON, M.A.

USSR/Physics - Absorption spectrum

FD-3053

Card 1/2 Pub. 153 - 22/23

Author : Gross, Ye. F.; Yakobson, M. A.

Title : Brief communication. Linear absorption spectrum in cadmium sulfide crystal at the temperature of liquid helium

Periodical : Zhur. tekhn. fiz., 25, February 1955, 364

Abstract : The senior writer observed (DAN SSSR, 84, 471, 1952) in the absorption spectrum of CdS crystal at $T=77.3^{\circ}\text{K}$, the temperature of liquid nitrogen, a sharp line and wider band situated around the long-wavelength edge of the ground light absorption of CdS crystal lattice, and in further development of this investigation of exciton absorption in Cu_2O crystal (DAN SSSR, 90, 745, 1953; DAN SSSR, 92, 265, 1953 and 99, 231, 1954) undertook new experiments with CdS crystal at $T=4.2^{\circ}\text{K}$, the temperature of liquid helium, in the course of which experiments it was clarified that the long-wavelength edge of ground absorption of CdS crystal possesses just as does Cu_2O crystal a very complex structure (at $T=4.2^{\circ}\text{K}$ the senior author and his co-workers observed in the spectrum of CdS

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FD-3053

Abstract : crystal around edge of ground absorption 11 sharp absorption lines and 4 wider bands indicating fine structure). The present brief communication gives a table of the frequencies of these lines and also the frequencies of the edges of the observed bands. The writers note that the structure of the absorption edge depends upon the polarization status of the absorbed light and that the complex structure of the absorption spectrum of CdS points to the large number of electron levels in the forbidden zone of CdS crystal. Just as in the case of Cu_2O the writers associate the structure of the edge of the ground absorption of CdS with the excitation of excitons in the crystal lattice of CdS. They thank N. M. Reynov, head of the cryogenics laboratory of the Leningrad Physical Technical Institute. Co-authors of the senior writer in the mentioned earlier works are N. A. Karryyev, B. P. Zakharcheniya, and N. M. Reynov.

Institution : -

Submitted : January 17, 1955

YAKOB'SON, M. A.

USSR/ Physics - Crystallography

Card 1/1 Pub. 22 - 17/62

Authors : Gross, Ye. F., Member-Correspondent of the Acad. of Sc., USSR; and Yakob'son, M. A.

Title : A complex structure of the end of the basic absorption of greenockite crystals

Periodical : Dok. AN SSSR 102/3, 485 - 488, May 21, 1955

Abstract : New experimental studies of the absorption spectrum of greenockite crystals (CdS) are described. The studies revealed a complexity in the long-wave absorption spectrum of the CdS crystals which indicates the presence of a number of discrete energy levels in the crystals. Nine references: 1 USA, 2 Germ., and 5 USSR (1947-1955). Table; illustrations.

Institution : Acad. of Sc., USSR, Physico-Technical Institute

Submitted : February 4, 1955

Yakobson, M.A.

USSR/Optics - Physical Optics

K-5

Abs Jour : Referat Zhur - Fizika, No 5, 1957, 12887

Author : Gross, Ye.F., Yakobson, M.A.

Inst : -

Title : Radiation spectrum of the Exciton.

Orig Pub : Zh. tekhn. fiziki, 1956, 26, No 6, 1269-1371

Abstract : An investigation was made of the azure luminescence of a CdS crystal at 77.3° K. When the excitation is produced by the 3663A mercury line or by the continuous spectrum of an incandescent lamp in the blue region of the spectrum, one observes the following lines and radiation bands (the numbers in the parentheses indicate the boundaries of the bands): (4805, 4813), (4838, 4858), 4870, 4875, 4880, 4886, 4925, 5009. The radiation line 4870 A coincides with the exciton absorption line at 77.3° K and is polarized the same as the latter. The 4870 A line and the 4858 -- 4838 and 4813 -- 4805 A bands are the strongest in the

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USSR/Optics - Physical Optics.

K-5

Abs Jour : Ref Zhur - Fizika, No 5, 1957, 12887

absorption spectrum of the exciton in CdS at 77.3° K and are therefore attributed to excitons. All the most intense radiation lines in the radiation spectrum reduced to 4.3° K are observed also in the absorption of CdS. It is concluded that the line radiation spectrum of the blue luminescence is a radiation spectrum of excitations upon their annihilation in the CdS lattice.

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YAKOBSON M.A.

USSR/Physical Chemistry - Crystals

B-5

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 3594

Author : Gross Ye.F., Yakobson M.A.

Title : Exciton Emission Spectrum

Orig Pub : Zh. tekhn. fiz., 1956, 26, No 6, 1369-1371

Abstract : Investigation of azure luminescence of CdS crystal at 77.3°K. On excitation with Hg-line λ 3663Å or continuous spectrum of incandescent lamp, there are observed in the blue region of the spectrum the following lines and bands of emission (edges of bands listed in parentheses): (4805, 4813), (4838, 4858), 4870, 4875, 4880, 4886, 4925, 5009. Emission line λ 4870Å coincides with exciton line of absorption at 77.3°K, and is polarized like the latter. Line λ 4870Å and bands λ 4858-4838 and λ 4813-4805 are strongest of exciton absorption spectrum of CdS at 77.3°K and are therefore attributed to excitons. All the most intensive lines of emission of

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YAKOVLEV, M. A.

THE LINE SPECTRUM OF THE BASIC ABSORPTION EDGE

511.343-543.7 5

In: Izv. Fiz. Vol. 15, No. 1, 207-8 (1937) in Russian
 a continuation of the research work described in previous
 papers: Zh. tekh. Fiz. Vol. 25, 364, 1955; Dokl. Akad. Nauk SSSR
 Vol. 142, 1957. The author has investigated the line spectrum of
 light in GaS crystals at temperatures of 100°K and obtained the
 following results: (1) the line spectrum in the 511.3-543.7 mμ region
 on the short-wave side of the line absorption edge reveals
 fine structure; (2) both the fine lines and the absorption edge reveal

YAKOBSON, M.A.

AUTHOR: GROSS, YE.F., RAZBIRIN, B.S., YAKOBSON, M.A. PA - 3573
 TITLE: Line Spectra of Fundamental Absorption Edge of the CdS Crystals.
 (Lineynchatyy spektr kraya osnovnogo pogloshcheniya kristallov
 sernistogo kadmiya, Russian)
 PERIODICAL: Zhurnal Tekhn. Fiz. 1957, Vol 27, Nr 5, pp 1149-1151 (U.S.S.R.)

ABSTRACT: The present paper gives a detailed description of the observations made at $T = 4.2^{\circ} \text{K}$. At this temperature the lines mentioned were particularly distinct. The monocrystals of CdS investigated were obtained in different manners:

- 1.) According to FRERICH'S method (Phys.Rev. 72, 594, 1957).
- 2.) By sublimation of pure CdS powder in a H_2S - and H_2 - atmosphere.

In the case of all monocrystals investigated the optical axis O was in a plane of the crystal and was directioned according to the groove on the surface. It was found that a group of thin and weak lines on the edge of the real absorption domain, $\lambda \lambda 4889-4860 \text{ \AA}$, undergoes considerable changes with respect to intensity and breadth and number of lines on the occasion of transition from one crystal to another. The number of absorption lines differs according to the different crystals. In most samples their spectra were observed also in polarized light. Some of the thin lines at

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PA - 3573

Line Spectra of Fundamental Absorption of the CdS Crystals.

the edge of the absorption were highly polarized. The thin lines with long waves in the domain of $\lambda \lambda$ 4889-4865 Å are fully polarized. Those strips which are located on the short-wave side of the variable thin lines do not change their position considerably and seem to be stable. It turned out that not only the various crystals can differ from one another with respect to the spectrum, but that also various parts of one and the same crystal have different spectra. The great variability of the narrow lines on the edge of the absorption must still be interpreted and explained. (With 1 Table, 3 Illustrations, and 1 Slavic Reference).

ASSOCIATION: LFTI
PRESENTED BY:
SUBMITTED: 21.2.1957
AVAILABLE: Library of Congress

Card 2/2

YAKABSON, M.A.

PHASE I BOOK EXPLOITATION SOV/3140

24(1)

Академія наук Української ССР. Інститут фізики

Резюме першого всесоюзного семінару з оптичних явищ в поліпровідниках і оптичних явищ в поліпровідниках, г. Київ, 20-25 листопада 1957 р. (Photoelectronic and Optical Phenomena in Semiconductors: Transactions of the First Conference on Photoelectronic and Optical Phenomena in Semiconductors...) Київ, 1959. 403 с. 4,000 copies printed.

Additional Sponsoring Agency: Академія наук СРСР, Президіум.

Ed. of Publishing House: I. V. Kisina; Tech. Ed.: A. A. Matveychuk; Resp. Ed.: V. Ye. Lashkarev, Academician, Ukrainian SSR, Academy of Sciences.

PURPOSE: This book is intended for scientists in the field of semiconductor physics, solid state spectroscopy, and semiconductor devices. The collection will be useful to advanced students in universities and institutions of higher technical training specializing in the physics and technical application of semiconductors.

COVERAGE: The collection contains reports and information bulletins (the latter are indicated by asterisks) read at the First All-Union Conference on Optical and Photoelectric Phenomena in Semiconductors. A wide scope of problems in semiconductor physics and technology are considered: photoconductive cells and active forces, optical properties, photoconductive cells and photoconductors; the actions of hard and soft semiconductor radiations, etc. The properties of thin films and semiconductor systems. The materials were prepared for publication by Z. I. Rashkov, O. V. Smirnov, A. B. Polovyn, A. P. Lubchenko, and M. K. Sheynman. References and discussion follow each article.

Gross, Ye. P., and M. A. Yakabson. Luminescence of CdS

Photoelectric and Optical Phenomena (cont.)	SOV/3140
Crystals at the Edge of the Main Absorption [Spectrum] (theses)	63
Gross, Ye. P., A. A. Kaplyanskiy, and B. V. Norkov. Structure of Spectral Photoconductivity Curves of Crystals at Low Temperatures (theses)	66
Yakabson, M. A. Some Optical and Photoelectric Properties of Polycrystalline CdSe Layers	74
Pikozadze, K. I., and G. A. Pashchis. Peculiarities of Photoconducting $CdS_{1-x}Se_x$ Single Crystals (x=1)	85
Dzhanavarov, R. Yu., S. M. Brixin, and I. N. Ageyev. Dependence of the Width of the "Forbidden" Zone on Composition of $CdS-CdSe$ Solid Solutions	95
Sal'kov, Ye. A., and G. A. Pashchis. The Generation of an Oscillating Photoelectric Current in CdS - and $CdSe$ Single-Crystal Photoresistors	96
Card 5/16	

38344

S/058/62/000/005/045/119
A001/A101

21 2420

AUTHORS: Gross, Ye. F., Yakobson, M. A.

TITLE: Luminescence of CdS crystals at the fundamental absorption edge
(Theses)

PERIODICAL: Referativnyy zhurnal, Fizika, no. 5, 1962, 32-33, abstract 5V224
(V sb. "Fotoelektr. i optich. yavleniya v poluprovodnikakh",
Kiyev, AN USSR, 1959, 63-65)

TEXT: A large group of narrow lines and broad bands of various intensities is observed in the region 4850-4880 Å, near the edge of CdS crystal fundamental absorption. A comparison of crystal luminescence spectrum at 4.3°K with absorption spectrum has shown that almost all absorption lines are observed in emission, i.e., luminescence is of a resonance nature. Line 4870 Å and bands 4858-4838 and 4813-4805 Å, observed at 77.3 K in the luminescence spectrum are interpreted as the spectrum of exciton emission following their annihilation in the lattice. In various crystals of CdS, a difference in luminescent spectra is observed, corresponding to narrow absorption lines, which is due, in the authors' opinion, to impurity and surface levels in the crystal.

[Abstracter's note: Complete translation]

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S/048/61/025/004/035/048
B117/B212

24.3500

AUTHORS: Gross, Ye. F. and Yakobson, M. A.

TITLE: Investigation of the luminescence of CdS single crystals at low temperatures

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25, no. 4, 1961, 531-532

TEXT: The present paper was read at the 9th Conference on Luminescence (crystal phosphors). The authors have continued their investigation of the luminescence of CdS single crystals. The short wave line group which corresponds to the short wave absorption of the CdS single crystal at $T = 4.2^{\circ}\text{K}$ has been studied. The luminescence spectrograph obtained showed that the short wave bands ($\lambda = 4788, 4828$ and 4852 \AA) are weak due to reabsorption. If these short wave bands are considered to be principal bands then it is possible to contrast them with satellites at a distance of 300 cm^{-1} . But these are not contained in the oscillation series of the long wave luminescence. The effect of treating CdS single crystals with sulfur and cadmium vapors on their spectra has also been investigated. The

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purpose of these tests has been to clear the nature of defects which are responsible for the origin of the long wave line group of the light-blue luminescence. It has been found that after the treatment with sulfur vapors long wave luminescence and absorption will disappear completely. After using cadmium vapor these spectra will essentially stay the same. The test results allowed the following conclusions: The short wave luminescence lines and the corresponding absorption bands can be considered an annihilation of the exciton in the crystal lattice during light emission. The origin of long-wave light-blue luminescence can be referred to the presence of defects in the crystal lattice. And it may be assumed that the junctions responsible for the origin of long wave emission will take place in the lattice near various defects. Furthermore, it is assumed that the long-wave line groups in the absorption spectrum and in the spectrum of light-blue luminescence of the CdS crystal are connected with the excitation and emission of ortho-excitons. They are formed by light excitations under the influence of the disturbing effect of defects. Therefore, the short-wave line group should be compared with para-excitons. S. A. Moskalenko has stated the following in a discussion about this paper: In order to explain the CdS spectra the authors have used the

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hypothesis of ortho and para excitons. According to their opinion ortho excitons are allowed because of the interaction with impurities. A separation of ortho and para excitons depends on the exchange interaction. If this is very small then it points to a large-enough radius of the excitons; the spin-orbit coupling at the impurity potential is small and the ortho excitons are not intensive. There are 7 references: 5 Soviet-bloc and 2 non-Soviet-bloc.

ASSOCIATION: Fiziko-tekhnicheskiy institut Akademii nauk SSSR (Institute of Physics and Technology, Academy of Sciences USSR)

Card 3/3

L 1556+66 EWT(d)/EWT(l)/EWT(n)/EPP(n)-2/T/ET(t)/EWP(b) IJP(c) JD/WW

ACC NR: AP6004408

SOURCE CODE: UR/0051/66/020/001/0078/0085

AUTHOR: Yakobson, M. A.

ORG: none

TITLE: Effect of temperature on emission from single crystals of CdS

SOURCE: Optika i spektroskopiya, v. 20, no. 1, 1966, 78-85

TOPIC TAGS: single crystal, cadmium sulfide, luminescence spectrum, spectrography

ABSTRACT: The author studies the temperature relationship of phonon series isolated in the luminescence spectrum of cadmium sulfide single crystals. Temperature effects were studied in the 4.2-90°K region. Crystals 5-10 μ thick were grown from the gaseous phase. A carbon resistor thermometer was used for temperature measurements. Luminescence of the specimen was excited by the 365 m μ line isolated by a filter from the light of a mercury lamp. The image of the specimen was focused on the input slot of a spectrograph and the output was photoelectrically amplified and potentiometrically recorded. Curves are given for relative intensity as a function of temperature. The data further confirm the hypothesis of exciton complexes in

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UDC: 535.33 : 548.0.096

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CdS. Intensity distribution in lines of equidistant series for "blue" and "green" luminescence at 4.2 and 77°K showed that the ratios of intensities between the members of the different series were identical for both temperatures. The experimental distributions of intensities between members of the "blue" and "green" series were compared with the intensity distributions computed by the Pekar-Krivoglaz formula:

$$\frac{I_n}{I_0} = \frac{P^n}{n!}$$

where I_0 is the intensity of the phonon-free line; I_n is the intensity of the n -th line of the series; P represents Stokes losses. The results show good agreement for "green" luminescence and considerable divergence for "blue" luminescence. The greatest difference between theory and experiment is observed in series with low Stokes losses. This phenomenon is explained by the approximations made in derivation of the formula. In conclusion the author is grateful to Ye. F. Gross for interest in the work and valuable consultation, to Ye. D. Trifonov for useful remarks during discussion of the article and also to graduate students at Leningrad State University S. V. Bushin and S. Dzhioyeva for assistance with the measurements.

Orig. art. has: 5 figures, 2 formulas, 2 tables.

SUB CODE: 20/ SUBM DATE: 28Jul64/ ORIG REF: 008/ OTH REF: 010

Card 2/2

KOLDOBSKIY, A.G.; MEDVEDEV, S.I.; PISKOPPEL', F.G.; YAKOBSON, M.G. Prinimali uchastie: BERKHIN, I.B.; OSLIKOVSKAYA, Ye.S.; PEREKISLOVA, A.M.; LITVIN, V.M.; PARKHOMENKO, Ye.V.; STOTIK, A.M.; SHAPIRO, T.I.; STRUMILIN, S.G., akad., glav. red.; ALIKSENKO, G.V., red.; ANISIMOV, N.I., red.; VOLODARSKIY, L.M., red.; GERSHEERG, S.R., redaktor; red.; PETROV, A.I., red.; POSVYANSKIY, S.S., red.; HAZAROVA, G.V., kand. ekonom. nauk, starshiy nauchnyy red.; KISEL'MAN, S.M., starshiy nauchnyy red.; LIVANSKAYA, F.V., kand. ekonom. nauk, starshiy nauchnyy red.; GLAGOLEV, V.S., nauchnyy red.; NEDBAYEV, V.I., nauchnyy red.; TUMANOVA, N.L., nauchnyy red.; TOVMAKYAN, M.E., red.; BLAGODARSKAYA, Ye.V., mladshiy red.; SHUSTROVA, V.M., mladshiy red.; ZENTSEL'SKAYA, Ch.A., tekhn. red.

[The economic life of the U.S.S.R.; chronicle of events and facts, 1917-1959] Ekonomicheskaya zhizn' SSSR; khronika sobytii i faktov 1917-1959. Glav. red. S.G.Strumilin. Chleny red. kollegii: Aleksenko i dr. Moskva, Gos. nauchn.izd-vo "Sovetskaya entsiklopediya," 1961. 779 p. (MIRA 14:10)

1. Tsentral'naya nauchnaya sel'skokhozyaystvennaya biblioteka Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. Lenina (for Litvin, Parkhomenko, STOTIK, Shapiro).

(Russia--Economic conditions)

YAKOBSON, M.N.

Osteosynthesis of the spine in tuberculous spondylitis. Ortop.,
travm. i protez. no.6:18-25 N-D '55. (MIRA 9:12)

1. Iz kostnotuberkuleznogo sanatoriya No.4 (glavnyy vrach V.S.Kovalev)
s Chernomorka-Odesa.
(TUBERCULOSIS, SPINAL, surg.
osteosynthesis of spin)

YAKOBSON/M8084ENG8

600

1. YAKOBSON, M. O., Engineer

2. USSR (600)

Gor'kiy Milling-Machine Plant "Face Milling Machines" Stanki i instrument, 12, No. 4,
April, 1941.

9. Report U-1503, 4 Oct. 1951

YAKOBSON, M. O.: BOMSHTEYN, Z. D.: SHER, A. N.,

Engineers

Chief Machinist, Moscow Tool Plant (1945)

"The Problem of the Proper Organization of Operation and Repair of Metal-Cutting
Machine Tools," Stanki i Instrument, 16, Nos. 7-8, 1945

BR-52059019

VLADIZIYEVSKIY, A.P., kandidat tekhnicheskikh nauk; YAKOBSON, M.O.,
kandidat tekhnicheskikh nauk.

[Installation, operation and repair of metal-cutting machines;
reference manual] Montazh, ekspluatatsiia i remont metallorre-
zhushchikh stankov; spravochnoe rukovodstvo. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1946. 246 p.
(MLRA 7:2)
(Metal cutting)

YAKOBSON, M. O.

Chief Engineer of the Komsomolets Plant (-1946-)

"The Effect of Wear in Machine Tools on Consumption of Electric Power" Stanki I
Instrument, 17, No. 9, 1946

BR-52059019

YAKOBSON, M. O.

PA 37/49T69

USSR/Engineering
Tools; Machine
Machinery - Reclamation

Sep 48

"The Technology of Repair Work," M. O. Yakobson,
Cand Tech Sci, A. P. Vladziyevskiy, Cand Tech
Sci, $\frac{1}{2}$ p

"Vest Mashinostroy" Vol XXVIII, No 9

Summarizes various articles on the repair of machine
tools.

37/49T69

YAKOVESON, M. O. and VLADZIEVEKII, A. P.

1948. Stanki dlia obrabotki zub'ev tsilindricheskikh kole. Moskva, Mashgiz,
183 p. diagrs.
Bibliography: p. (182).

Machine tools for cutting spur gear teeth.

DLC: TJ187.V6

CtY MH

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

YAKOBSON, M. O.

Zubofrezerovanie po napravleniiu podachi.

(Vestn. Mash., 1948, no. 3, p. 37-40)

(Gear milling in the feed direction.)

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

S

Investigation of Surface Quality in Drilling and Reamering.
M. O. Yakobson. (*Stanki i Instrumenty*, 1949, No. 4, 18-20).
[in Russian]. The factors influencing the quality of the fine
surface of drilled and reamed holes are considered, and the
results are given of experiments which showed that the actual
micro-unevenness of such surfaces is 20 to 30 times greater
than calculated.—S. K.

YAKOBSON, M. O.

32532. Issledovanie tochnosti, sherokhovatosti i naklepa pri sverlenii, 1949, No 10
s. 11-13. - Bibliogr: 7 razb.

SC: Letopis' Zhurnal'nykh Statey, Vol. 44, Moskva, 1949

1ST AND 2ND GROUPS										3RD AND 4TH GROUPS									
PROCESSING AND PROPERTY INDEX																			
<p>Investigation of Maintenance of Tolerance, Smoothness and of Cold Hardening During Drilling, Countersinking, and Reaming of Holes. (In Russian.) M. O. Yakobson. Stanki i Instrumenty (Machine Tools and Equipment), v. 20, Oct. 1949, p. 11-13. Problems involved in obtaining high accuracy of dimensions and correct geometric shape of machine parts, together with obtaining surfaces of minimum roughness in above operations were investigated for steel and cast iron. Data are tabulated and charted.</p>																			
MATERIALS INDEX										METALLURGICAL LITERATURE CLASSIFICATION									
FROM SYMBLON										TO SYMBLON									
1ST AND 2ND GROUPS										3RD AND 4TH GROUPS									
1ST AND 2ND GROUPS										3RD AND 4TH GROUPS									

YAKOBSON, M. O.

Technology

Influence of conditions of cutting on surface cleanness in mechanical processing,
Moskva, Tsentral'noe biuro tekhnicheskoy informatsiy, 1950.

9. Monthly List of Russian Accessions, Library of Congress, October 1953². Unclassified.

YAKOBSON, M. O. and VIADZIEVSKII, A. F.

Spravochnik mekhanika. Moskva, Mashgiz, 1950. 495 p.

Mechanic's handbook.

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

YAKOBSON, M.O.

D'YACHENKO, P.Ye., laureat Stalinskoy premii, doktor tekhnicheskikh nauk;
YAKOBSON, M.O., kandidat tekhnicheskikh nauk; ERIVOUKHOV, V.A., professor, doktor tekhnicheskikh nauk, retsenzent; SEMENOV, S.P., kandidat tekhnicheskikh nauk, dotsent, retsenzent; LARIN, M.N., laureat Stalinskoy premii, professor, doktor tekhnicheskikh nauk, redaktor; BOBROVA, Ye.N., tekhnicheskiiy redaktor

[Surface quality in metal-cutting] Kachestvo poverkhnosti pri obrabotke metallov rezaniem. Moskva, Gos.nauchno-tekh.izd-vo mashinostroitel'noi lit-ry, 1951. 207 p. (MIRA 9:1)
(Metal cutting)

YAKOBSCH, M. O.

Naklep poverkhnostnogo sloia pri mekhanicheskoi obrabotke zub'ev tsilindricheskikh koles. (Vestn. Mash., 1951, no. 1, p. 46-48).

Includes bibliography.

(Cold surface hardening while machining the teeth of cylindrical gear wheels.)

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

YAKOBSON, M.O.

RODIONOV, Ye.P.; GLUKHOV, N.A.; ZHAMENSKIY, A.A., redaktor; YAKOBSON, M.O., redaktor.

[Surface finish and apparatus for rating it] Chistota poverkhnosti i pribory dlia ee otsenki. Moskva, Trudreservtsiat, 1953. 41 p.
(Surfaces Technology) (MLRA 7:8)

1. D'YACHENKO, P. YE.; YAKOBSON, M. O.; STIGNEYEV, YA. F.; PUZANKOV, V. V.
2. USSR (600)
4. M. O. Yakobson
7. Surface quality in machining of metals by means of cutting, review of P. YE. D'yachenko, M. O. Yakobson, YA. F. Stigneyev, and V. V. Puzankov, Avt. trakt. prom., no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

YAKOBSON, M.O., doktor tekhnicheskikh nauk.

Examining the surface layer after high-speed face milling for the purpose of substituting it for surface grinding. Vent.mash. 33 no.4:41-49 Ap '53.
(MLBA 6:5)

1. Vsesoyuznyi nauchno-issledovatel'skiy institut MMS.

(Metal cutting)

All-Union Sci Res Tool Inst

Ministry of Machine Tool
Bldg.

YAKOBSON, M.O. / AND D'YACHENKO, P.E.

Kachestvo poverkhnosti pri obrabotke metallov rezaniem. Moskva, Mashgiz
1951. 208 p.

SSurface quality during metal-cutting.

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library
of Congress, 1953.

YAKOBSON, M. O.

USSR/Engineering - Machine-tool repair

Card 1/1 Pub. 103 - 1/29

Authors : Vladzievskiy, A. P., and Yakobson, M. O.

Title : Improving the repair of metal-cutting lathes

Periodical : Stan. 1 instr. 10, 1-5, Oct 1954

Abstract : Problems undertaken by the Experimental Scientific Research Institute for Metal-Cutting Lathes, to standardize and improve the repair and overhauling of production equipment in the machine construction plants are discussed. Tables; graphs. (The article to be continued)

Institution : ...

Submitted : ...

G. A. Robson, M.D.

USSR/Miscellaneous - Industrial machine repair

Card 1/1 Pub. 103 - 2/24

Authors : Vladzievskiy, A. P., and Yakobson, M. O.

Title : Improvements in the repair of metal cutting machines

Periodical : Stan. i instr. 11, 3-b, Nov 1954

Abstract : Charts are presented showing the cycle (time) when certain types of metal cutting machines (lathes, milling machines, etc.) should be thoroughly inspected and repaired. Seven basic points for further improvement of machine repair are presented. Seven USSR references (1947-1954). Tables; graphs.

Institution : ...

Submitted : ...

YAKOBSON, M.O.

USSR/ Miscellaneous - Equipment maintenance standards

Card 1/1. Pub. 128 - 24/34

Authors : Vladzievskiy, A. P., and Yakobson, M. O.

Title : Concerning a unified system in planned preventive-maintenance of industrial equipment in the machine construction plants

Periodical : Vest. mash. 12, 77-87, Dec 1954

Abstract : The Experimental Scientific Research Institute for Metal-Cutting Lathes, in cooperation with the Stalin Automobile Factory in Moscow, have come forth with standardized methods for maintaining and repairing industrial production equipment in the machine construction plants. Examples of some standardized maintenance procedures are given. Tables.

Institution :

Submitted :

Yakobson, M.O.

LESOKHIN, A.F., kandidat tekhnicheskikh nauk, redaktor; YAKOBSON, M.O., professor, doktor tekhnicheskikh nauk, retsenzent; ~~MODEL~~, B.I., tekhnicheskiiy redaktor; MATVEYEVA, Ye.N., tekhnicheskiiy redaktor

[Methods and means of determining the cleanness of surfaces in machine building] Metody i sredstva opredeleniia chistoty po-verkhnosti v mashinostroeni. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955. 206 p. (MIRA 9:2)

(Machinery industry) (Surfaces (Technology))

YAKOBSON, M.O., doktor tekhnicheskikh nauk, professor, redaktor; POPOLOV, I.A., redaktor; TIKHONOV, A.Ya., tekhnicheskii redaktor; POL'SKAYA, R.G., tekhnicheskii redaktor

[Unified system of planned preventive repairs of technological equipment in machine building enterprises; standard procedure]
Edinaia sistema planovo-predupreditel'nogo remonta tekhnologicheskogo oborudovaniia mashinostroitel'nykh predpriatii; tipovoe polozenie. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955. 303 p.

(MIRA 9:3)

(Machinery industry)

YAKOBSON, M. O.

PHASE I BOOK EXPLOITATION

571

Yakobson, M. O., Doctor of Technical Sciences, Professor

Kachestvo poverkhnosti rezhushchego instrumenta i yego dolgovechnost'
(Surface Quality of Cutting Tools and Their Service Life)
Leningrad, 1955. 20 p. (Series: Leningradskiy dom nauchno-
tekhnicheskoy propagandy. Informatsionno-tekhnicheskij listok,
no. 77/765/) 7,000 copies printed.

Sponsoring Agencies: Leningradskiy dom nauchno-tekhnicheskoy
propagandy, and Vsesoyuznoye obshchestvo po rasprostraneniyu
politicheskikh i nauchnykh znaniy.

Ed.: Verzhbinskaya, I. I., Engineer; Tech. Ed.: Freger, D. P.

PURPOSE: This pamphlet is intended for tool designers and machine-
tool operators.

Card 1/3

Surface Quality of Cutting Tools (Cont.)

571

COVERAGE: The quality of the cutting tool surface is the most important criterion of its durability. This quality is determined by two sets of indices. The first set comprises characteristics related to the extent of surface irregularities and their distribution; the second set of indices is based on the physical and mechanical properties of the tool's surface layers. There are 7 Soviet references. No personalities are mentioned.

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Card 2/3

Surface Quality of Cutting Tools (Cont.)

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| 4. Precision of Machining and the Smoothness of Tool Surfaces | |
| 5. Requirements for Finishing Cutting Tool Surfaces | 18 |
| 6. Recommendations for Assigning Type of Finish to Cutting Tool Surfaces | 20 |

AVAILABLE: Library of Congress

Card 3/3

VK/jmr
8-20-58

YAKOBSON, M.O.

ANDREYEV, A.B.; ANTONOV, A.I.; ARAPOV, P.P.; BARMASH, A.I.; BEDNYAKOVA,
A.B.; BENIN, G.S.; BERESNEVICH, V.V.; BERNSTEIN, S.A.; BITUTSKOV,
V.I.; BLYUMENBERG, V.V.; BONCH-BRUYEVICH, M.D.; BORZOTOV, A.D.;
BULGAKOV, N.I.; VEKSLER, B.A.; GAVRILENKO, I.V.; GENDLER, Ye.S.,
[deceased]; GERLIYANOV, N.A., [deceased]; GIBSHMAN, Ye.Ye.;
GOLDOVSKIY, Ye.M.; GOBUNOV, P.P.; GORYALNOV, F.A.; GRINBERG, B.G.;
GRYUNER, V.S.; DANOVSIIY, N.F.; DZEVUL'SKIY, V.M., [deceased];
DREMAYLO, P.G.; DYBETS, S.G.; D'YACHENKO, P.F.; DYURNBAUM, N.S.,
[deceased]; YEDORCHENKO, B.F. [deceased]; YEL'YASHKEVICH, S.A.;
ZHEREBOV, L.P.; ZAVEL'SKIY, A.S.; ZAVEL'SKIY, F.S.; IVANOVSKIY,
S.R.; ITKIN, I.M.; KAZHDAN, A.Ya.; KAZHINSKIY, B.B.; KAPLINSKIY, S.V.;
KASATKIN, F.S.; KATSAUROV, I.N.; KITAYGORODSKIY, I.I.; KOLLESNIKOV,
I.F.; KOLOSOV, V.A.; KOMAROV, N.S.; KOTOV, B.I.; LINDE, V.V.;
LEBEDEV, H.V.; LEVITSKIY, N.I.; LOKSHIN, Ya.Yu.; LUTTSAN, V.K.;
MANNERBERGER, A.A.; MIKHAYLOV, V.A.; MIKHAYLOV, N.M.; MURAV'YEV, I.M.;
NYDEL'MAN, G.E.; PAVLYSHKOV, L.S.; POLUYANOV, V.A.; POLYAKOV, Ye.S.;
POPOV, V.V.; POPOV, N.I.; RAKHLIN, I.Ye.; RZHEVSKIY, V.V.; ROZENBERG,
G.V.; ROZENTRETER, B.A.; ROKOTYAN, Ye.S.; RUKAVISHNIKOV, V.I.;
RUTOVSKIY, B.N. [deceased]; RYVKIN, P.M.; SMIRNOV, A.P.; STEPANOV, G.Yu,
STEPANOV, Yu.A.; TARASOV, L.Ya.; TOKAREV, L.I.; USPASSKIY, P.P.;
FEDOROV, A.V.; FERRE, N.E.; FRENKEL', N.Z.; KHRYFETS, S.Ya.; KHLIPIN,
M.I.; KHODOT, V.V.; SHAMSHUR, V.I.; SHAPIRO, A.Ye.; SHATSOV, M.I.;
SHISEKINA, N.N.; SHOR, E.R.; SHPICHENETSKIY, Ye.S.; SHPRINK, B.E.;
SHTERLING, S.Z.; SHUTTY, L.R.; SHUKHAL'TER, L. Ya.; KHVAYS, A.V.;

(Continued on next card)

ANDREYEV, A.B. (continued) Card 2.

YAKOVLEV, A.V.; ANDREYEV, Ye.S., retsensent, redaktor; ~~BERKEE~~
 GYM, B.M., retsensent, redaktor; BERMAN, L.D., retsensent, redaktor;
 BOLTINSKIY, V.N., retsensent, redaktor; BONCH-BRUYEVICH, V.L.,
 retsensent, redaktor; VELLER, M.A., retsensent, redaktor; VINOGRADOV,
 A.V., retsensent, redaktor; GUDTSOV, N.T., retsensent, redaktor;
 DEGTYAREV, I.L., retsensent, redaktor; DEM'YANYUK, F.S., retsensent;
 redaktor; DOBROSMYSLOV, I.N., retsensent, redaktor; YELANCHIK, G.M.
 retsensent, redaktor; ZHEMOCHKIN, D.N., retsensent, redaktor;
 SHURAVCHENKO, A.N., retsensent, redaktor; ZLODEYEV, G.A., retsensent,
 redaktor; KAPLUNOV, R.P., retsensent, redaktor; KUSAKOV, M.M.,
 retsensent, redaktor; LEVINSON, L.Ye., [deceased] retsensent, redaktor;
 MALOV, N.N., retsensent, redaktor; MARKUS, V.A. retsensent, redaktor;
 METELITSYN, I.I., retsensent, redaktor; MIKHAYLOV, S.M., retsensent;
 redaktor; OLIVETSKIY, B.A., retsensent, redaktor; PAVLOV, B.A.,
 retsensent, redaktor; PANYUKOV, N.P., retsensent, redaktor; PLAKSIN,
 I.N., retsensent, redaktor; RAKOV, K.A. retsensent, redaktor;
 RZHAVINSKIY, V.V., retsensent, redaktor; RINBERG, A.M., retsensent;
 redaktor; ROGOVIN, N. Ye., retsensent, redaktor; HUDENKO, K.G.,
 retsensent, redaktor; RUTOVSKIY, B.N., [deceased] retsensent,
 redaktor; RYZHOV, P.A., retsensent, redaktor; SANDOMIRSKIY, V.B.,
 retsensent, redaktor; SKRAMTAYEV, B.G., retsensent, redaktor;
 SOKOV, V.S., retsensent, redaktor; SOKOLOV, N.S., retsensent,
 redaktor; SPIVAKOVSKIY, A.O., retsensent, redaktor; STRAMENTOV, A.Ye.,
 retsensent, redaktor; STRELETSKIY, N.S., retsensent, redaktor;

(Continued on next card)

ANDREYEV, A.V., (continued) Card 3.

TRET'YAKOV, A.P., retsenzent, redaktor; FAYERMAN, Ye.M., retsenzent, redaktor; KHACHATYROV, T.S., retsenzent, redaktor; CHERNOV, H.V., retsenzent, redaktor; SHERGIN, A.P., retsenzent, redaktor; SHESTOPAL, V.M., retsenzent, redaktor; SHESHKO, Ye.F., retsenzent, redaktor; SHCHAPOV, N.M., retsenzent, redaktor; YAKOBSON, M.O., retsenzent, redaktor; STEPANOV, Yu.A., Professor, redaktor; DEM'YANYUK, F.S., professor, redaktor; ZNAMENSKIY, A.A., inzhener, redaktor; PLAKSIN, I.N., redaktor; RUTOVSKIY, B.N. [deceased] doktor khimicheskikh nauk, professor, redaktor; SHUKHGAL'TER, L. Ya, kandidat tekhnicheskikh nauk, dotsent; redaktor; BRESTINA, B.S., redaktor; ZNAMENSKIY, A.A., redaktor.

(Continued on next card)

ANDREYEV, A. V. (continued) Card 4.

[Concise polytechnical dictionary] Kratkii politekhnicheskii slovar'. Redaktsionnyi sovet; IU. A. Stepanov i dr. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1955. 1136 p. (MLRA 8:12)

1. Chlen-korrespondent AN SSSR (for Plaksin)
(Technology--Dictionaries)

YAKOBSON, Mikhail Osipovich, doktor tekhnicheskikh nauk, professor; LUR'YE, G.B., professor, retsenzent; KARATYGIN, A.M., kandidat tekhnicheskikh nauk, redaktor; MODEL', B.I., tekhnicheskii redaktor.

[Roughness, hardness, and locked-up stresses in machining] Sherokhovatost', naklep i ostatochnye napriazhenia pri mekhanicheskoi obrabotke. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 291 p. (MIRA 9:6)
(Metallography) (Metalworking machinery)

YAKOBSON, M. O.

AID P - 5147

Subject : USSR/Engineering

Card 1/1 Pub. 103 - 6/18

Author : Yakobson, M. O.

Title : Contemporary foreign methods of machining spur gears

Periodical : Stan. 1 instr., 5, 23-27, My 1956

Abstract : Machining holes and outer contours of spur gears, making gears by milling machines, using plain and contour hobbing method, the Fellow machines for gear shaving, finishing the teeth, and other processes used outside of Russia are described. Four photos and 2 drawings.

Institution : None

Submitted : No date

YAKOVSON, M.O., doktor tekhnicheskikh nauk, professor, redaktor; TIKHONOV,
A.Ia., tekhnicheskii redaktor; MODEL', B.I., tekhnicheskii redaktor

[Unified system of maintenance and repair of the technological
equipment in machinery industry; standard regulations] Edinaia
sistema planovo-predupreditel'nogo remonta i ekspluatatsii tekhn-
logicheskogo oborudovaniia mashinostroitel'nykh predpriatii; tipo-
voe polozhenie. Izd. 2-oe. Moskva, Gos. nauchno-tekhn. izd-vo ma-
shinostroit. lit-ry, 1957. 479 p. (MLRA 10:4)
(Machinery--Maintenance and repair)

IL'INA, K.A...Prinimali uchastiye: BUSLAYEV, V.G., starshiy inzhener;
KOZLOV, V.F., ispoln. obyazannosti inzhenera; YESIPOVA, O.V.,
starshiy tekhnik; BRODYANSKAYA, Ye.A., tekhnik. YAKOBSON,
M.O., prof., doktor tekhn.nauk, red.; ALEKSEYEVA, T.V.,
tekhn.red.

[Standard technological processes in the manufacture of medium
size machine parts; instructional materials] Tipovye tekhnolo-
gicheskie protsessy obrabotki korpusnykh detalei srednikh
razmerov; rukovodiashchie materialy. Pod red. M.O.Iakobsona.
Moskva, TSentr.biuro tekhn.informatsii, 1958. 218 p.

(MIRA 12:7)

1. Moscow. Eksperimental'nyy nauchno-issledovatel'skiy institut
metallorezhushchikh stankov.

(Machinery industry)

BUNICH, P.G., kand.ekon.nauk, starshiy nauchnyy sotrudnik; PAKHOMOV, A.M.,
kand.ekon.nauk, starshiy nauchnyy sotrudnik; BUDAVEY, V.Yu., nauchnyy
sotrudnik; IVANOV, Ye.A., nauchnyy sotrudnik; KIRILLOV, I.A., prof.,
doktor ekon.nauk; KOVALEVA, A.M., kand.ekon.nauk; SAFRAY, G.Ye.,
kand.ekon.nauk; YAKOBSON, M.O., prof., doktor tekhn.nauk; GOGITISHVILI,
R.N., inzh.; KHABUR, B.P.; BROYDE, I.M.; FILATOV, N.L.; BLAZHEY,
Zdenko, doktor, ekonomist (Chekhoslovatskaya Respublika); NESHVER,
Vatslav, inzh., ekonomist (Chekhoslovatskaya Respublika); RYUMIN, S.M.,
red.; ZAVERNYAYEVA, L., red.izd-va; LEBEDEV, A., tekhn.red.

[Planning and financing of major repairs on fixed assets] Planiro-
vanie i finansirovanie kapital'nogo remonta osnovnykh fondov.
Moskva, Gosfinizdat, 1958. 223 p. (MIRA 12:2)

(Continued on next card)

BUNICH, P.G.---(Continued) Card 2.

1. Moscow. Nauchno-issledovatel'skiy finansovyy institut. 2. Nauchno-issledovatel'skiy finansovyy institut (for Bunich, Pakhomov). 3. Nauchno-issledovatel'skiy ekonomicheskii institut Gosplana SSSR (for Ivanov). 4. Moskovskiy inzhenerno-ekonomicheskii institut im. S. Ordzhonikidze (for Safraz). 5. Eksperimental'nyy nauchno-issledovatel'skiy institut metallorazhivayemykh stankov (for Gogitishvili). 6. Zamestitel' direktora Tsentral'nogo nauchno-issledovatel'skogo instituta morskogo flota (for Khabur). 7. Nachal'nik finansovogo otdela sovarkhoza Tatarskoy ASSR (for Broide). 8. Ekspert Ministerstva finansov SSSR (for Filatov). 9. Investitsionnyy bank (for Blazhey). 10. Tekhniko-organizatsionnyy nauchno-issledovatel'nyy institut mashinostroyeniya (for Neshver).

(Industry---Finance)

25(1,6)

PHASE I BOOK EXPLORATION

307/1592

Akademiya nauk SSSR. Institut mashinovedeniya

Osnovnye voprosy tekhnologii, viznacheniya yezhivost i tekhnicheskikh izmereniy v mashinostroyeni (Basic Problems of Accuracy, Interchangeability and Engineering Measurements in Machine Building) Moscow, Mashgis, 1958. 411 p. 4,500 copies printed.

Ed. A. M. Gavrilov, Doctor of Technical Sciences, Professor, Tech. Ed. B. I. Medel, Managing Ed. for literature on Metal Working and Tool Making (Mashgis); R. B. Kaysal'man, Engineer.

PURPOSE: This collection of articles is intended for engineering and scientific workers and for teachers and students of machine and instrument building courses.

COVERAGE: This collection of articles presents the works of a conference on basic problems of accuracy, interchangeability and engineering measurements, convened in March 1956 by the Machine Building Technology Commission of IMASH AN SSSR (Institute of Machine Construction of the Academy of Sciences, USSR), the State Committee for Modern Technology, the Committee for Standard Weights and Measuring Instruments under the Council of Ministers, USSR, the Ministries for Machine Building and the Ministry of Higher Education of the USSR. In the articles dealing with accuracy of fabrication, problems of the theory and practice of calculating accuracy of standard processes and standard products are discussed. In the articles on interchangeability and engineering measurements an evaluation of the state of this field is presented along with the theoretical and practical problems and outlook for the future. Theoretical and practical problems are mentioned. The subject is discussed. No personal titles are mentioned. There are 110 references of which 121 are Russian, 10 German, 8 English, 1 French.

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Basic Problems of Accuracy (Cont.)

307/1592

"Kovan, V. M., Honored Scientist and Technician of the USSR, Doctor of Technical Sciences, Professor. Method of Analytical Calculation for Determining Tolerances and Allowances in Connection With the Problem of Accuracy Increase in Machine Building 83

"Korotkov, V. J., Doctor of Technical Sciences, Professor. Rigidity of the Manufacturing System and its Effect on the Accuracy of Mechanical Machining 94

"Kashetov, D. M., Doctor of Technical Sciences, Professor. Influence of Physical-Technical Factors on Machining Accuracy in Machine Building 110

"Yakubovich, M. O., Doctor of Technical Sciences, Professor. Problems of the Relation Between Dimensional Accuracy and Surface Roughness in Mechanical Machining 133

"Gulyayev, B. B., Doctor of Technical Sciences, Professor, and I. I. Goryunov, Candidate of Technical Sciences. Accuracy Increase in Castings 146

Card 2/8

25(1, 2)

PHASE I BOOK EXPLOITATION

SOV/1810

Yakobson, Mikhail Osipovich

Sovremennyye metody obrabotki tsilindricheskikh zubchatykh koles
(Modern Methods of Machining Spur Gears) Moscow, Trudrezervizdat,
1958. 91 p. 10,000 copies printed. (Series: Novaya tekhnika i
peredovyye metody truda).

Scientific Ed.: S.A. Chikhachev; Ed.: I.Ya. Moskvina; Tech. Ed.:
Yu.N. Gorokhov.

PURPOSE: This book is written for teachers and instructors in
labor reserve schools, and also for engineering personnel in
the machine-building industry.

COVERAGE: The book contains a description of modern equipment used
in the Soviet Union and in non-Soviet countries for manufacturing
spur gears. It also deals with automatic production of gears,
introduced for the first time in the USSR. The author describes
materials, methods of heat treatment, and the manufacture of spur gears.
No personalities are mentioned. There are no references.

Card 1/2

Modern Methods of Machining Spur Gears

SOV/1810

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PHASE I BOOK EXPLOITATION . SOV/2175

Moscow. Eksperimental'nyy nauchno-issledovatel'skiy institut metallorezhu-shchikh stankov

Yedinaya sistema planovo-predupreditel'nogo remonta i ekspluatatsii tekhnologicheskogo oborudovaniya mashinostroitel'nykh predpriyatiy; tipovoye polozheniye (Unified System of Planned Preventive Repair and Operation of Equipment in Machinery-Manufacturing Plants; Determination of Standards) 3rd ed. Moscow, Mashgiz, 1958. 539 p. Errata slip inserted. 25,000 copies printed.

Ed.: M. O. Yakobson, Doctor of Technical Sciences, Professor; Tech. Ed.: B. I. Model'; Managing Ed. for Literature on the Economics and Organization of Production: T. D. Saksaganskiy.

PURPOSE: This book is intended for factory repair-shop workers and other engineering personnel.

COVERAGE: The book contains the fundamental conditions relating to repair organizations, characteristics of repair systems (length of repair cycles and interrepair periods, category of repairing difficulty, etc.), and output norms of fundamental and auxiliary materials. The unified system embraces

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Unified System of Planned Preventive Repair (Cont.)

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the repair of metal-cutting and wood-milling machines and press forging, foundry, craning and electrical engineering equipment. The book was prepared under the direction of A. P. Vladziyevskiy, Doctor of Technical Sciences, assisted by engineers D. S. Vaks and V. G. Vasina. There are 275 tables and 23 references: 21 Soviet and 2 English.

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BARSUKOV, A.A., inzh., laureat Leninskoy premii; BORISOV, Yu.S., inzh.;
 VAKS, D.I., inzh.; VLADZIYEVSKIY, A.P., doktor tekhn. nauk; prof.,
 laureat Stalinskoy premii; GINZBURG, Z.M., inzh.; GLEYZER, Y.Ye.,
 inzh.; ZOBIN, V.S., inzh.; KAZAK, M.I., dots.; KAMINSKAYA, V.V.,
 kand. tekhn. nauk; KEDRINSKIY, V.N., inzh., laureat Leninskoy
 premii; KUCHER, A.M., kand. tekhn. nauk; KUCHER, I.M., kand. tekhn.
 nauk; LEVINA, Z.M., inzh.; LUK'YANOV, T.P., inzh.; MOROZOVA, Ye.M.,
 inzh.; NOSKIN, P.A., kand. tekhn. nauk, dots.; NIBERG, N.Ya.,
 kand. tekhn. nauk; OSTROUMOV, G.A., inzh.; PLOTKIN, I.B., inzh.;
 SPIVAK, E.D., kand. tekhn. nauk; SUM-SHIK, M.B., inzh.; SHASHKIN,
 P.I., inzh.; SHIFRIN, S.M., inzh.; YAKOBSON, M.O., doktor tekhn.
 nauk, prof.; GLINER, B.M., inzh., red.; SOKOLOVA, T.F., tekhn.
 red.

[Handbook for mechanics of machinery plants in tow volumes]
 Spravochnik mekhanika mashinostroitel'nogo zavoda v dveh tomakh.
 Vol.1. [Organization and design preparation for repair work]
 Organizatsiia i konstruktorskaya podgotovka remontnykh rabot.
 Otv. red. toma R.A. Noskin. 1958. 767 p. Moskva, Gos. nauchno-
 tekhn. izd-vo mashinostroit. lit-ry. (MIRA 11:8)
 (Machinery--Maintenance and repair)

YAKOBSON, M.O.

New trends in the technology of machine-tool manufacturing.

Nauch.dokl.vys.shkoly; mash.i prib. no.4:119-133 '58.

(MIRA 12:5)

(Machine-tool industry)

YAKOBSON, M.O.

Modern techniques used in machining straight guides. Stan. 1 instr.
29 no.2:21-24 F '58. (MIRA 11:3)

(Machine-shop practice)

YAKOBSON, M.O.; POKROVSKAYA, V.S.

Investigating processes of fine planing rectilinear guides.
Stan. 1 instr. 29 no.3:7-10 Mr '58. (MIRA 12:1)
(Metal cutting)

VLADZIYEVSKIY, A.P., prof., doktor tekhn.nauk; YAKOBSON, M.O., prof.,
doktor tekhn.nauk

Preventive maintenance of heavy-duty and unique machine tools.
Mashinostroitel' no.1:21-25 Ja '59. (MIRA 12:2)
(Machine tools--Maintenance and repair)

YAKOBSON, M., prof.

"Automatic control and mechanization of production processes in
the instrument industry." Reviewed by M. Iakobson. NTO no.5:57
My '59. (MIRA 12:8)
(Instrument industry) (Automatic control)

YAKOBSON, M.O.; ZIL'BERGLYI, V.L.

Technology of automated production of spur pinions. Trakt.1
sel'khozmasb. no.6:110-146 Ja '59. (MIRA 12:9)
(Gear cutting) (Automation)

PHASE I BOOK EXPLOITATION

SOV/4032

Yakobson, Mikhail Osipovich, Doctor of Technical Sciences, Professor

Tekhnologiya stankostroyeniya (Technology of Machine-Tool Manufacture) Moscow, Mashgiz, 1960. 547 p. Errata slip inserted. 8,500 copies printed.

Reviewer: V.A. Anufriyev, Engineer; Ed.: L.T. Shtern, Engineer; Tech. Ed.: B.I. Model'; Managing Ed. for Literature on Metalworking and Machine-Tool Manufacture (Mashgiz): V.V. Rzhavinskiy, Engineer.

PURPOSE: The book is intended for technical personnel of machine and machine-tool establishments and scientific research organizations.

COVERAGE: The book is a summary of machine-tool-manufacturing practices in the USSR and other countries. Advanced methods of making basic parts of machine tools are discussed, including erection and painting processes. Attention is given to problems of full mechanization and automation of machine-tool-manufacturing processes. K.A. Il'iná, Engineer, assisted in the writing of Chapter III. There are 49 references: 45 Soviet, 2 French, 1 English, and 1 German.

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VLADZIYEVSKIY, A.P.; YAKOBSON, M.O.

London Machine-Tool Exhibition in 1960. Stan.i instr. 31 no.11:
30-38 N '60. (MIRA 13:11)

(London--Exhibitions)
(Great Britain--Machine tools)

YAKOBSON, M. O.

PHASE I BOOK EXPLOITATION

SOV/5291

Sovedshchaniye po kompleksnoy mekhanizatsii i avtomatizatsii tekhnologicheskikh protsessov v mashinostroyenii. 2d, Moscow, 1956. Avtomatizatsiya mashinostroyitel'nykh protsessov. t. III: Obrabotka rezaniyem i obshcheye voprosy avtomatizatsii (Automation of Machine-Building Processes. V. 3: Work Cutting and General Automation Problems) Moscow, Izd-vo AN SSSR, 1960. 296 p. (Series: Its: Trudy, t. 3) 4,700 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya. Komissiya po tekhnologii mashinostroyeniya.

Resp. Ed.: V. I. Dikushin, Academician; Ed. of Publishing House: V. A. Kobov; Tech. Ed.: I. P. Kuz'min.

PURPOSE: This collection of articles is intended for technical personnel concerned with the automation of the machine industry.

COVERAGE: This is Volume III of the transactions of the Second Conference on the Full Mechanization and Automation of Manufacturing Processes in the Machine Industry, held September 25-29, 1956. The transactions have been published in three volumes. Volume I deals with the hot pressworking of metals, and volume II, with the actuation and control of machines. The present volume deals with the automation of metal machining and work-hardening, and with general problems encountered in automation. The transactions on the automation of metal machining processes were published under the supervision of P. S. Dan'yankov and A. M. Karatygin, and those on the automation of work-hardening processes, under the supervision of E. A. Sattel' and M. O. Yakobson. No personalities are mentioned. There are no references.

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[Machine tools at the 1960 London International Machine-Tool Exhibition] Metallovezhushchie stanki na Londonskoi mezhdunarodnoi stankostroitel'noi vystavke 1960 g. Moskva, TSentr. in-t nauchno-tekhn. informatsii mashinostroeniia, 1961. 95 p. (MIRA 14:11)
(London--Exhibitions) (Machine tools)

VLADZIYEVSKIY, A.P.; YAKOBSON, M.G.

Machine tools at the International Exhibition in London in
1960. Biul. tekhn.-ekon. inform. no. 2:84-88 '61. (MIRA 14:2)
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International exhibition of machine tools in England. Biul. tekhn.-
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Exhibition of machine tools in England [Part 3]. Biul. tekhn.-
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YAKOBSON, M.O.

Surface quality and durability of rectilinear guides of machine tools. Trudy Sem.po kach.poverkh. no.5:348-355 '61.

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(Machine tools)

YAKOBSON, M.O., doktor tekhn.nauk; TREMBOVLER, N.M., inzh.

Evaluating technical and economic level of technological processes
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MERCHANSKIY, Dmomid Pavlo ch; PIVEN', V.N., inzh., retsenzent;
YAKOBSON, M.O., doktor tekhn. nauk, prof., retsenzent;
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[Gear cutting] Zuboreznoe delo. Moskva, Mashgiz, 1962. 211 p.
(MIRA 16:3)

(Gear cutting)

VLADZIYEVSKIY, A.P., doktor tekhn. nauk, prof.; YAKOBSON, M.O., doktor tekhn. nauk, prof.; VAKS, D.I., inzh.; VASINA, V.G., inzh.; POCHTAREVA, A.V., red. izd-va; TIKHANOV, A.Ya., tekhn. red.

[Unified system of preventive maintenance and efficient operation of the technical equipment of machinery manufacturing enterprises]
Edinaia sistema planovo-predupreditel'nogo remonta i ratsional noi ekspluatatsii tekhnologicheskogo oborudovaniia mashinostroitel'nykh predpriatii; tipovoe polozhenie. 1zd.4. Moskva, Mashgiz, 1962. 734 p. (MIRA 15:6)

1. Moscow. Eksperimental'nyy nauchno-issledovatel'skii institut metallo-rezhushchikh stankov.

(Machinery--Maintenance and repair)

(Machinery industry--Management)

YAKOBSON, M.O., doktor tekhn. nauk, prof.; PADRUL', Z.Ya., inzh.,
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inzh., red. izd-va; UVAROVA, A.F., tekhn. red.

[Technological processes of machining in automated production]
Tekhnologiya mekhanicheskoi obrabotki v avtomatizirovannom
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 NOVIKOV, V.F. [retsenzent]; SOKOLOV, M.V. [retsenzent];
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[Handbook for the establishment of norms in the machinery
 industry in 4 volumes] Spravochnik normirovshchika-mashinostroi-
 telia v 4 tomakh. Moskva, Mashgiz, Vol. 4. [Engineering norms
 in auxiliary shops] Tekhnicheskoe normirovanie vo vspomogatel'-
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 nauk; YAKOBSON, M.O., doktor tekhn.nauk; MAYOROVA, E.A.,
 kand.tekhn.nauk; MOROZOVA, Ye.M.; ZUSMAN, V.G., kand.tekhn.
 nauk; NAYDIS, V.A., kand.tekhn.nauk; VLADZIYEVSKIY, A.P., prof.,
 doktor tekhn. nauk, red.; EELOGUR-YASNOVSKAYA, R.I., red.;
 CHIGAREVA, E.I., red.; ASVAL'DOV, M.Ya., red.; KOGAN, F.L.,
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[Machine-tool industry in capitalist countries] Stanko-
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 formatsii mashinostroyeniya. 2. Eksperimental'nyy nauchno-
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 (for Vladziyevskiy, Belogur-Yasnovskaya, Chigareva, Asval'dov,
 Kogan).

(Machine-tool industry)

YAKOBSON, M.O., doktor tekhn.nauk; TREMBOVLER, N.M., inzh.

Standardization of technological processes in the machining of
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(Metal cutting)